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- **Hamilton, John F.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201 (US)
- **Smith, Craig M.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201 (US)

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(71) Applicant: **Eastman Kodak Company**
Rochester, NY 14650-2201 (US)

(72) Inventors:

- **Adams, James E.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201 (US)

(74) Representative: **Weber, Etienne Nicolas et al**
Kodak Industrie
Département Brevets - CRT
Zone Industrielle
71102 Chalon sur Saône Cedex (FR)

(54) **Removing color aliasing artifacts from color digital images**

(57) A method of reducing color aliasing artifacts from a color digital image having color pixels including providing luminance and chrominance signals from the color digital image; downsampling the luminance and chrominance signals; using such downsampled luminance and chrominance signals to separate the image into textured and nontextured regions having boundaries; cleaning the downsampled chrominance signals in the textured regions in response to the boundaries of the textured region and the downsampled chrominance signals; cleaning the downsampled chrominance signals in the nontextured regions in response to the downsampled chrominance signals; upsampling the downsampled noise-cleaned chrominance signals; and using the luminance and upsampled noise-cleaned chrominance signals to provide a color digital image having reduced color aliasing artifacts.

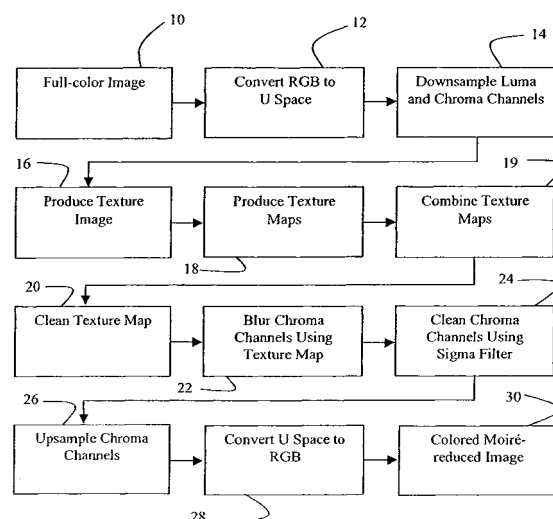


FIG. 1

EP 1 411 471 A3



EUROPEAN SEARCH REPORT

Application Number
EP 03 07 8165

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
			G06T H04N
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 March 2011	Examiner Kessler, Cordula
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

 2
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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